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## AMENDMENTS TO THE CLAIMS

Please **CANCEL** claims 17, 23, 25, and 27 without prejudice or disclaimer.

Please **AMEND** claim 22 as shown below.

The following is a complete list of all claims in this application.

1. (Previously Presented) A flat panel display having a plurality of sub-pixels, each sub-

pixel comprising:

a light emitting device;

a switching thin film transistor including a semiconductor active layer having at least a

channel area for transferring a data signal to the light emitting device; and

only one driving thin film transistor including a semiconductor active layer having at least

a channel area for driving the light emitting device so that a predetermined current flows through

the light emitting device according to the data signal,

wherein with respect to a direction of any grain boundary, the channel area of the

switching transistor is situated along a first direction and the channel area of the driving

transistor is situated along a second direction,

wherein a direction of current flow with respect to the grain boundary at the channel area

of the switching thin film transistor is different from a direction of current flow with respect to the

grain boundary at the channel area of the switching thin film transistor, and

wherein the direction of current flow in the channel area of the switching thin film

transistor and the direction of current flow in the channel area of the driving thin film transistor

are formed so that a current mobility in the channel area of the switching thin film transistor is

larger than a current mobility in the channel area of the driving thin film transistor.

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2-3. (Canceled)

4. (Original) The flat panel display of claim 1, wherein the active layer is formed using a

polycrystalline silicon.

5. (Original) The flat panel display of claim 4, wherein the polycrystalline silicon has

anisotropic crystal grains.

6. (Original) The flat panel display of claim 5, wherein a crystal grain of the

polycrystalline silicon has a first length which is at least 1.5 times longer than a second length in

a direction which is substantially perpendicular to a direction of the first length.

7. (Original) The flat panel display of claim 4, wherein the channel area of the switching

thin film transistor and the channel area of the driving thin film transistor have polycrystalline

silicon crystal grains, the silicon grains include longer grain boundaries situated along a

direction which makes a first angle with a direction of current flow in the channel area of the

switching transistor and a second angle with a direction of current flow in the channel area of

the driving transistor.

8. (Original) The flat panel display of claim 7, wherein the direction of current flow in the

channel area of the switching transistor are formed so that the second angle is larger than the

first angle.

9. (Previously Presented) The flat panel display of claim 4, wherein the polycrystalline

silicon includes primary grain boundaries which are arranged substantially parallel to each

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other, and side grain boundaries of anisotropic grains which extend between the primary grain

boundaries in a direction substantially perpendicular to the primary grain boundaries,

wherein adjacent side grain boundaries of anisotropic grains have an average interval

therebetween which is shorter than average intervals between adjacent primary grain

boundaries.

10. (Previously Presented) The flat panel display of claim 9, wherein the direction of

current flow in the channel area of the switching thin film transistor makes a first angle with a

direction along which the primary grain boundaries are situated and the direction of current flow

in the channel area of the driving thin film transistor makes a second angle with the direction

along which the primary grain boundaries are situated.

11. (Original) The flat panel display of claim 10, wherein the first angle is larger than the

second angle.

12. (Previously Presented) The flat panel display of claim 9, wherein an angle of the

side grain boundaries of anisotropic grains in the polycrystalline silicon of the channel area of

the switching thin film transistor with the direction of current flow in the channel area of the

switching thin film transistor is in a range of about - 45° to about 45°.

13. (Original) The flat panel display of claim 9, wherein an angle of the primary grain

boundaries with the direction of current flow in the channel area of the switching thin film

transistor is about 90°.

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14. (Original) The flat panel display of claim 9, wherein an angle of the side grain

boundaries of anisotropic grains with the direction of current flow in the channel area of the

driving thin film transistor is in a range of about 45° to about 135°.

15. (Original) The flat panel display of claim 9, wherein an angle of the primary grain

boundaries of the polycrystalline silicon which form the channel area of the driving thin film

transistor with the direction of current flow in the channel area is about 0°.

16. (Previously Presented) A flat panel display having a plurality of sub-pixels, each

sub-pixel comprising:

a light emitting device;

a switching thin film transistor which is formed using a polycrystalline silicon and

includes a semiconductor layer having a channel area for transferring a data signal to the light

emitting device; and

only one driving thin film transistor which is formed using a polycrystalline silicon and

includes a semiconductor layer having a channel area for driving the light emitting device so that

a predetermined amount of current flows through the light emitting device,

wherein the channel area of the switching thin film transistor has a first angle between a

length direction of polycrystalline silicon grains and a direction of current flow in the channel

area and the channel area of the driving thin film transistor has a second angle between a

length direction of polycrystalline silicon grains and a direction of current flow in the channel

area; and

wherein the second angle is larger than the first angle.

17. (Canceled)

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18. (Original) The flat panel display of claim 16, wherein the polycrystalline silicon

includes anisotropic crystal grains.

19. (Original) The flat panel display of claim 18, wherein the length of the crystal grain of

the polycrystalline silicon is at least 1.5 times longer than a width of the crystal grain.

20. (Canceled)

21. (Original) The flat panel display of claim 16, wherein the polycrystalline silicon

includes substantially parallel primary grain boundaries, and side grain boundaries of

anisotropic grains which extend substantially perpendicularly between the primary grain

boundaries and have an average interval between the side grain boundaries of anisotropic

grains is shorter than an average interval between the primary grain boundaries.

22. (Currently Amended) The flat panel display of claim 21, wherein further comprising a

an-third angle between the primary grain boundaries of the polycrystalline silicon and the

direction of current flow in the channel area of the switching thin film transistor and there is a

second-a fourth angle between the primary grain boundaries of the polycrystalline silicon and

the direction of current flow in the channel area of the driving thin film transistor, wherein the

third and the first angle is different from the fourth second angle.

23. (Canceled)

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24. (Previously Presented) The flat panel display of claim 21, wherein an angle of the

side grain boundaries of anisotropic grains of the polycrystalline silicon in the channel area of

the switching thin film transistor with the direction of current flow in that channel area is in a

range of about -45° to about 45°.

25. (Canceled)

26. (Previously Presented) The flat panel display of claim 21, wherein an angle of the

side grain boundaries of anisotropic grains with the direction of current flow in the channel area

of the driving thin film transistor is in a range of about 45° to about 135°.

27. (Canceled)